

**(3.7)** 



Iuman : GDVEKGKKIFIMKCSQCHTVEGGKHKTGPNLHGLFGRK SFG PM: 1  Dacterium : EGDAAAGEKVSKKCLACHTFDQGGANKVGPNPNLFGVF SFG FD WO: 2  CS : GD[x3.3]G[x0.1]K[x0.2]K[x4.0]KC[x2.2]CHT[x3.3]GG[x2.2]K  GD[x1.4]E[x0.2]K[x0.4]KC[x2.2]CHT[x3.3]GG[x2.2]K  homology : 47%			
Yec	SEQ TD NO: 2	.2lK .2lK	
, mul.	GPNLHGLFGRK SPNPNLFGVF	2)CHT (x3,3)GG(x2 2)CHT (x3,3)GG(x2	
Yec	ACHT VEGGKHKT ACHTFDAGGANKW	.2]K(x4.0]KC(x2.; .2]K(x0,4)KC(x2.;	
, mul.	GDVEKGKKIFIMKCS EGDAAAGEKVSKKCL/	GD{x3.3}G{x0.1}K{x0 GD{x1.4}E{x0.2}K{x0	47%
hum LCS LOS	human : ( bacterium : E	rcs : C	homology :



\* MSLAILRVIRLVRVFRIFKLSRHSKGLQILGRTLKASMRELGLLIFFIGVV Rat

leucinzip, L{6}L{6}L{6}L{6}L

SEQIDNO: 3





Fig. 12

human : GDVEK G K KIFIMKCSQCHTVEKGG KHKTGPNLHGLFGRK ... 500 20 mms to bacterium : E GDAAAGEKVSK KCLACHTFDQGGANKV GPNPN LFGVF.. 500 20



## Fig. 23 A

TEEQIAEFKE AFSLFDKDGD GTITTKELGT VMRSLGQNPT 21 EAELQDMINE VDADGNGTID **FPEFLTMMAR** KMKDTDSEEE 81 IREAFRVFDK DGNGYISAAE 101 LRHVMTNLGE KLTDEEVDEM 121 IREANIDGDG QVNYEEFVQM 141 MTA

AMINO ACID SEQUENCE OF CALMODULIN SEQ ID No: 4 (EXCERPT FROM PDB)

## Fig. 23 B

AMD'QQAEARA FLSEEMIAEF KAAFDMFDAD GGGDISTKEL 41 GTVMRMLGQN PTKEELDAII 61 EEVDEDGSGT IDFEEFLVM 81 VRQMKEDAKG KSEEELADCF 101 RIFDKNADGF IDIEELGEIL 121 RATGEHVTEE DIEDLMKDSD 141 KNNDGRIDFD EFLKMMEGVQ 161

AMINO ACID SEQUENCE OF TROPONIN C SECTIONOLS (EXCERPT FROM PDB)

# Fig. 25

	9.08 (4 ) )	< target >	< probe >	540 ED NO: 7	segrano: 6 target >	probe >	SEQ ID NO: 7
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	901	Z	Ω	120	٦	Σ	
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	8	11	L	<u>-</u>	Ш	4	034
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Probe site ≖	0  66 86 26 96	۵	Ш	112 113	۵	ဟ	= 0.56703
ope	97	<b>d</b>	Œ	_			
g.	96		***************************************	-			rmsd



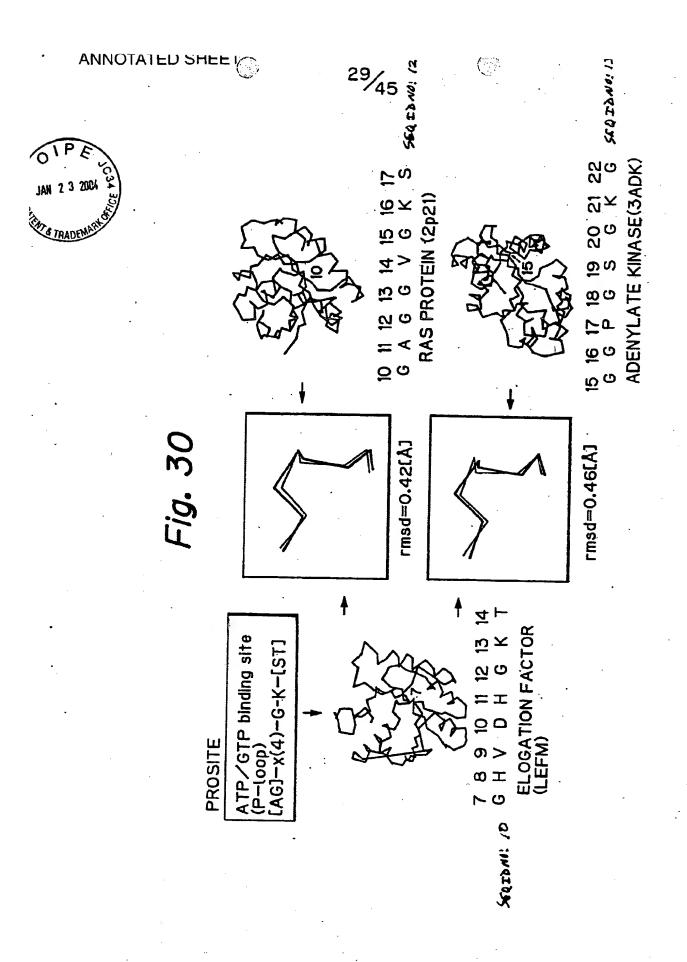
## Fig. 26

Pro	Probe site = 81		<b>8</b>	<del>-</del> 108		117	-143	Ë,	and 117-143 in Calmodulin	l I npo		, +		
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(je)

anacensessessesses ATP/GTP binding site exemperacensessessesses SEGED NO: 10 target > 550 ED No.12 probe > SEQ IS NO! 10 SEE IS NO: 11 c probe > 56q tb wa/0 Fig. 29 14 15 K G < target > K T < probe > adenylate kinase Probe = (elongation factor) 10 11 12 13 14 D H G K T က် ဂ ဂ ည်က်က 10 11 12 13 14 1 G A G G V G H V D H rmsd=0.421770 7 8.9 G H V 000 000







## Fig. 38 A

TVPYQVSLNS GSLI GYHFCG NSQWVVSA 21 IQVRL GEDNINVVEG 41 ASKS IVHPS 1 S Y SN 61 IKL KSAASL 81 ASISLPTSCA SAG TQC LI 101 WGNTKS SGTS YPDVLK CLKA 121 PILSDSSCKS AYPGQI TSNM 141 FCAGYLEGGK DSCQGD SGGP 161 V V C S G K L Q G I V S W G S G C A Q K 181 NKPGVYTKVC NYVSW 201 221 ASN SEQID NO:14

AMINO ACID SEQUENCE OF TRYPSIN (EXCERPT FROM PDB)

## Fig. 38 B

VVGGTEAQRN SWPSQISLQY RSGSSWAHTC GGTLIRQ'N.WV 21 AHCVDRE LTFRVVVGEH MTA 81 PY T D DVAA GYDI N 101 LN S Y LGVL QSV T 121 LAN SPC YI GWGL QT Q PTV 141 Q YL SSYWG 161 S TVKN SMVC Α GGDGV DSGG PLHCLVN RSGCQG 181 GQY AVHGVTSFVS 201 RLGCNVTRKP 221 TVFTRVSAYI SWINNVI

SEQIDMO: IS

AMINO ACID SEQUENCE OF ELASTASE (EXCERPT FROM PDB)



## Fig 39 A

```
Key site number 36 - 41 in Trypsin

41 42 43 44 45 46

M T A A H C \langle target \rangle seq that: 16

V S A A H C \langle probe \rangle seq that: 17

d = 12.070038 [A]

r.m.s.d. = 0.061077 [A]

The number of atoms in a probe = 6

The number of atoms in PDB = 240

The number of combination = 1

Time = 1sec
```

RETRIEVED RESULTS OF HISTIDINE ACTIVE SITES

## Fig. 39 B

```
Key site number 175-179 in Trypsin

186 187 188 189 190

G D S G G \langle target \rangle SEQ FDAM: 18

G D S G G \langle probe \rangle SEE FDAM: 19

d = 8.922721 [A]

r.m.s.d. = 0.092879 [A]

The number of atoms in a probe = 5

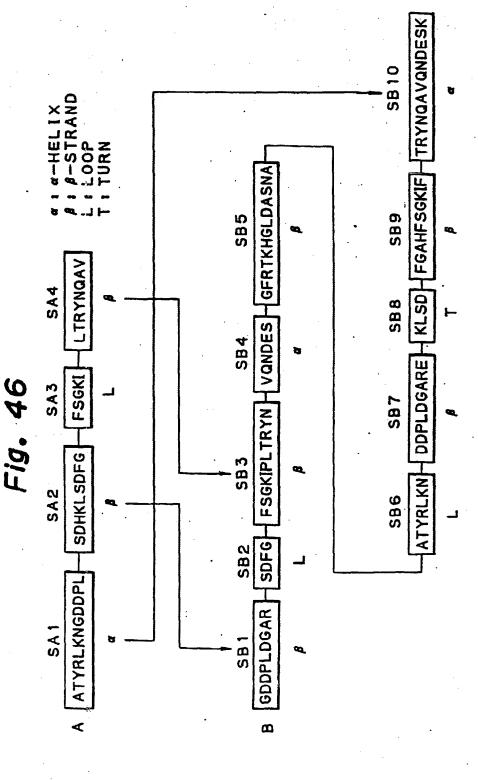
The number of atoms in PDB = 240

The number of combination = 1

Time = 1sec
```

RETRIEVED RESULTS OF SERINE ACTIVE SITES





568 ID NO: 20